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A1 U.S. provisional applications 60/052,586, filed July 15, 1997, 60/065,728, filed November 14, 1997, and 60/085,538, filed May 15, 1998.

In the claims:

Please cancel claims 1-35.

Please enter the following new claims:

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36. A polyamine derivative, or salt thereof, wherein said derivative has the formula



wherein

R_1-X- is of the formula $R-NH-CR'R''-CO-$ wherein $-NH-CR'R''-CO-$ is

a D- or L- form of valine, asparagine, or glutamine, or

the D- form of lysine or arginine, and

where R'' is H, or an analogue thereof wherein R'' is CH_3 , CH_2CH_3 , or CHF_2 ;

R is H or a head group selected from the group consisting of a straight or branched C_{1-10} aliphatic, alicyclic, single or multiring aromatic, single or multiring aryl substituted aliphatic, aliphatic-substituted single or multiring aromatic, a single or multiring heterocycle, a single or multiring heterocyclic-substituted aliphatic and an aliphatic-substituted aromatic; and

R_2 is a polyamine.

37. The derivative of claim 36 wherein R is H.

38. The derivative of claim 37 wherein $-NH-CR'R''-CO-$ is the D- form of lysine.

39. The derivative of claim 38 wherein R_2 is spermine.

40. The derivative of claim 39 wherein R_1-X- is attached to spermine at the N_1 position of spermine.